IN THE CLAIMS

Please amend the claims as follows.

1-16. (Cancelled)

17. (Original) A method of detecting interference, the method comprising:

setting a bandwidth for multiple receiver filters to a portion of a channel bandwidth that is a function of the number of such receiver filters;

merging the receiver filters to significantly cover the bandwidth of a channel;

moving the merged receiver filters to selected channels to identify whether interference is narrowband or wideband; and

increasing the receiver attenuation to protect the receiver from operating in the non-linear region and prevent an ADC (analog to digital converter) from saturation when a strong interfering signal is present.

18. (Original) The method of claim 17 wherein N received filters are used, and each covers approximately $1/N^{th}$ of the bandwidth of the channel, where N can be any integer number.

19. (Original) The method of claim 17 wherein the channel is a CDMA channel having a bandwidth of approximately 1.23 MHz.

20. (Original) The method of claim 17 and further comprising measuring received power through each filter at the selected channels.

21. (Original) The method of claim 20 wherein the interference is identified as narrowband if the difference of received power across all filters is substantially large at a selected channel.

22. (Original) The method of claim 20 wherein the interference is identified as wideband if the difference of received power across all filters is small at a selected channel.

23. (Original) A micro-controller comprising:

means for setting a bandwidth for multiple receiver filters to a portion of a channel bandwidth that is a function of the number of such receiver filters;

means for merging the receiver filters to significantly cover the bandwidth of a channel; and

means for moving the merged receiver filters to selected channels to identify whether interference is narrowband or wideband.

24. (Cancelled)